

16



OIPE

ENTERED

RAW SEQUENCE LISTING

DATE: 12/26/2002

PATENT APPLICATION: US/09/632,074B

TIME: 13:25:25

Input Set : A:\DAVI103.SEQ.TXT

Output Set: N:\CRF4\12262002\I632074B.raw

4 <110> APPLICANT: Nicholson, Geoffrey
 6 <120> TITLE OF INVENTION: METHOD OF TREATMENT AND AGENTS USEFUL
 7 FOR SAME
 9 <130> FILE REFERENCE: DAVI103.001AUS
 11 <140> CURRENT APPLICATION NUMBER: 09/632,074B
 C--> 12 <141> CURRENT FILING DATE: 2002-12-26
 14 <150> PRIOR APPLICATION NUMBER: AU/PQ/1999
 15 <151> PRIOR FILING DATE: 1999-08-03
 17 <160> NUMBER OF SEQ ID NOS: 8
 19 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 21 <210> SEQ ID NO: 1
 22 <211> LENGTH: 504
 23 <212> TYPE: DNA
 24 <213> ORGANISM: Homo sapiens
 26 <220> FEATURE:
 27 <221> NAME/KEY: CDS
 28 <222> LOCATION: (1)...(504)
 30 <400> SEQUENCE: 1
 31 atg cat tgg gga acc ctg tgc gga ttc ttg tgg ctt tgg ccc tat ctt 48
 32 Met His Trp Gly Thr Leu Cys Gly Phe Leu Trp Leu Trp Pro Tyr Leu
 33 1 5 10 15
 35 ttc tat gtc caa gct gtg ccc atc caa aaa gtc caa gat gac acc aaa 96
 36 Phe Tyr Val Gln Ala Val Pro Ile Gln Lys Val Gln Asp Asp Thr Lys
 37 20 25 30
 39 acc ctc atc aag aca att gtc acc agg atc aat gac att tca cac acg 144
 40 Thr Leu Ile Lys Thr Ile Val Thr Arg Ile Asn Asp Ile Ser His Thr
 41 35 40 45
 43 cag tca gtc tcc tcc aaa cag aaa gtc acc ggt ttg gac ttc att cct 192
 44 Gln Ser Val Ser Ser Lys Gln Lys Val Thr Gly Leu Asp Phe Ile Pro
 45 50 55 60
 47 ggg ctc cac ccc atc ctg acc tta tcc aag atg gac cag aca ctg gca 240
 48 Gly Leu His Pro Ile Leu Thr Leu Ser Lys Met Asp Gln Thr Leu Ala
 49 65 70 75 80
 51 gtc tac caa cag atc ctc acc agt atg cct tcc aga aac gtg atc caa 288
 52 Val Tyr Gln Gln Ile Leu Thr Ser Met Pro Ser Arg Asn Val Ile Gln
 53 85 90 95
 55 ata tcc aac gac ctg gag aac ctc cgg gat ctt ctt cac gtg ctg gcc 336
 56 Ile Ser Asn Asp Leu Glu Asn Leu Arg Asp Leu Leu His Val Leu Ala
 57 100 105 110
 59 ttc tct aag agc tgc cac ttg ccc tgg gcc agt ggc ctg gag acc ttg 384
 60 Phe Ser Lys Ser Cys His Leu Pro Trp Ala Ser Gly Leu Glu Thr Leu
 61 115 120 125
 63 gac agc ctg ggg ggt gtc ctg gaa gct tca ggc tac tcc aca gag gtg 432

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64 Asp Ser Leu Gly Gly Val Leu Glu Ala Ser Gly Tyr Ser Thr Glu Val
65      130                      135                      140
67 gtg gcc ctg agc agg ctg cag ggg tct ctg cag gac atg ctg tgg cag      480
68 Val Ala Leu Ser Arg Leu Gln Gly Ser Leu Gln Asp Met Leu Trp Gln
69 145                      150                      155                      160
71 ctg gac ctc agc cct ggg tgc tga      504
72 Leu Asp Leu Ser Pro Gly Cys *
73      165
76 <210> SEQ ID NO: 2
77 <211> LENGTH: 167
78 <212> TYPE: PRT
79 <213> ORGANISM: Homo sapiens
81 <400> SEQUENCE: 2
82 Met His Trp Gly Thr Leu Cys Gly Phe Leu Trp Leu Trp Pro Tyr Leu
83 1      5      10      15
84 Phe Tyr Val Gln Ala Val Pro Ile Gln Lys Val Gln Asp Asp Thr Lys
85      20      25      30
86 Thr Leu Ile Lys Thr Ile Val Thr Arg Ile Asn Asp Ile Ser His Thr
87      35      40      45
88 Gln Ser Val Ser Ser Lys Gln Lys Val Thr Gly Leu Asp Phe Ile Pro
89      50      55      60
90 Gly Leu His Pro Ile Leu Thr Leu Ser Lys Met Asp Gln Thr Leu Ala
91 65      70      75      80
92 Val Tyr Gln Gln Ile Leu Thr Ser Met Pro Ser Arg Asn Val Ile Gln
93      85      90      95
94 Ile Ser Asn Asp Leu Glu Asn Leu Arg Asp Leu Leu His Val Leu Ala
95      100     105     110
96 Phe Ser Lys Ser Cys His Leu Pro Trp Ala Ser Gly Leu Glu Thr Leu
97      115     120     125
98 Asp Ser Leu Gly Gly Val Leu Glu Ala Ser Gly Tyr Ser Thr Glu Val
99      130     135     140
100 Val Ala Leu Ser Arg Leu Gln Gly Ser Leu Gln Asp Met Leu Trp Gln
101 145      150      155      160
102 Leu Asp Leu Ser Pro Gly Cys
103      165
106 <210> SEQ ID NO: 3
107 <211> LENGTH: 22
108 <212> TYPE: DNA
109 <213> ORGANISM: Artificial Sequence
111 <220> FEATURE:
112 <223> OTHER INFORMATION: GAPDH forward primer.
115 <400> SEQUENCE: 3
116 cagtcagccg catcttcttt tg      22
118 <210> SEQ ID NO: 4
119 <211> LENGTH: 21
120 <212> TYPE: DNA
121 <213> ORGANISM: Artificial Sequence
123 <220> FEATURE:
124 <223> OTHER INFORMATION: GAPDH backward primer.

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127 <400> SEQUENCE: 4
128 tggttcacac ccatgacgaa c 21
130 <210> SEQ ID NO: 5
131 <211> LENGTH: 23
132 <212> TYPE: DNA
133 <213> ORGANISM: Artificial Sequence
135 <220> FEATURE:
136 <223> OTHER INFORMATION: OPG forward primer.
139 <400> SEQUENCE: 5
140 gtacgtcaag caggagtgc atc 23
142 <210> SEQ ID NO: 6
143 <211> LENGTH: 21
144 <212> TYPE: DNA
145 <213> ORGANISM: Artificial Sequence
147 <220> FEATURE:
148 <223> OTHER INFORMATION: OPG backward primer.
151 <400> SEQUENCE: 6
152 ttcttgtgag ctgtgttgcc g 21
154 <210> SEQ ID NO: 7
155 <211> LENGTH: 20
156 <212> TYPE: DNA
157 <213> ORGANISM: Artificial Sequence
159 <220> FEATURE:
160 <223> OTHER INFORMATION: RANK forward primer.
163 <400> SEQUENCE: 7
164 ttaagccagt gcttcacggg 20
166 <210> SEQ ID NO: 8
167 <211> LENGTH: 22
168 <212> TYPE: DNA
169 <213> ORGANISM: Artificial Sequence
171 <220> FEATURE:
172 <223> OTHER INFORMATION: RANK backward primer.
175 <400> SEQUENCE: 8
176 acgtagacca cgatgatgtc gc 22

VERIFICATION SUMMARY

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L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date